

Products portfolio with specifications



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About Us:

We are a product company driven with a passion for product development in consumer electronics like video projectors, Android HDMI Dongles, portable speakers using cutting edge technologies.

We are authorised users of **Texas Instruments' DLP** projection technology licence.

We are expert in embedded product development including hardware, firmware and embedded operating systems. We have vast experience in audio/video based product development and expertise in the domain. We have, over the period, developed excellent skillsets required for firmware, embedded OS, hardware design and development.

Products:

- Video Projectors
- > Frameless Interactive Whiteboard Kits
- ➤ HDMI Android Dongle/Wireless Display Dongles



DLP LED Projectors: Pocket Projector

Watch movies anywhere like Wall, Ceiling, Flooring...



Rechargeable / Replaceable Battery Backup upto 1 hr* LED Life minimum 20,000 hrs!

Not just a LED POCKET PROJECTOR ...

Enjoy movies in your *Inhouse Movie Theatre...* also can be *Your Bedroom TV* at affordable price.









Display Technology	Texas Instruments DLP® - Video Home Theatre Projector
Model	MP-311A
Light Source	R.G.B LED
Resolution	WVGA (854x480)
Support Resolution	1080p
Brightness	50 ANSI lumens (Standard mode); 20 ANSI lumens (Battery)
Contrast Ratio	1000:1
Display Colours	120% NTSC
Aspect Ratio	4:3 ; 16:9 ratio
Offset	100%
Focus Method	Manual
Projection Screen Size	80 "
LED life	30,000 hours
HDMI Input	НДМІ
AV Input	AV in
VGA/Mini USB	mini VGA, Mini USB2.0
Office Doc & Files support	.txt file(.ppt/.doc/.xls/.pdf with external Android Dongle connected)
Media Decode-Still Image Decoding	JPEG,BMP,PNG
Media Decode-Audio Decoding	MP3, WMA
	Full-HD MPEG1:.DAT\.MPG\.MPEG; MPEG2:.MPG; MPEG4:.AVI\
	.MP4; RM\RMVB:.RM\.RMVB; H264:.MKV\.MOV; MJPEG:.AVI;
Media Decode-Video Decoding	FLV:.FLV
Internet Player	External(With Android HDMI dongle/box)
Memory Card Support	32 GB
PC Display Support	Yes(HDMI/VGA/Wireless Display using EZCast Dongle)
Built-in Memory	No
Built-in Speaker	0.5W x 2
Headphone out	3.5mm Audio Socket
Built-in Battery	2300mAh
Dimension	140 x 73 x 27 mm
Power Supply	DC 5V /4.0A; Built-in Battery
	Battery save mode:6W; standard bright
Power Consumption	mode:12W
	Power adaptor; VGA cable; USB connector; Lithium-ion battery; AV
Accessories	cable; Remote control; Pouch; User manual
Certifications	CE,FCC
Video Demo youtube.com link	http://www.youtube.com/watch?v=FsMrMlYJkmo



Mini-3D DLP LED Full HD Media player projector:

Say GOOD-BYE to BIG LED TV...



When can get upto 120" Projection with HDMI port of HD Set Top Box













46" Display
Normal
LED TV
Projector
300W
Price: X
Price: Appx.1/4" of X

Note : These parameters may vary for different TV models...





Display Technology	Texas Instruments DLP® DLP-Link -3D(Built-in 2D to 3D converter)
Model	WP-DL600 (3D-Mini DLP LED Projector)
Light Source	R.G.B LED
Native Resolution	WXGA (1280x800)
Support Resolution	1080p
Brightness	600 ANSI lumen
Contrast Ratio	2000:1
Display Colours	100% NTSC
Aspect Ratio	4:3 ; 16:9; 16:10 ratio
Keystone correction	Yes
Offset	100%
Focus Method	Manual
Throw Ratio	1.2:1(Distance from Screen: Display Width)
Front/Rear/Ceiling Projections	Yes
Projection Screen Size	150 "
LED life	30,000 hours Average (Minimum20,000 hours)
HDMI Input	HDMI x 2
AV Input	AV in
USB	VGA/ USB2.0(upto 1TB USB Hard-disc)
Office Doc & Files support	.txt file(.ppt/.doc/.xls/.pdf with external Android Dongle connected)
Media Decode-Still Image	IDEC DAID CIE DAIC
Decoding	JPEG, BMP, GIF, PNG
Media Decode-Audio Decoding	MP3, WMA, APE, FLAC, AAC, OGG, AC3, WAV
	Full-HD MPEG1:.DAT\.MPG\.MPEG; MPEG2:.MPG; MPEG4:.AVI\ .MP4;
Media Decode-Video Decoding	RM\RMVB:.RM\.RMVB; H264:.MKV\.MOV; MJPEG:.AVI; FLV:.FLV
Internet Player	External(With Android HDMI dongle/box) or Internal Android Optional
Memory Card Support	64 GB
PC Display Support	Yes(HDMI/VGA/Wireless Display using EZCast Dongle)
Built-in Memory	No
Built-in Speaker	1.5W x 1
Headphone/5.1 Surround out	3.5mm Audio Socket/SPDIF 5.1 Digital Coaxial
Built-in Battery	No
Dimension	153X120X31 mm
Power Supply	DC 12V/3A
Power Consumption	~25W
	Power adaptor; AV cable; Remote control; single DLP-Link 3D glass;
Accessories	Pouch; User manual
	http://www.youtube.com/watch?v=8TtuUKIKibg



High Lum-3D DLP LED Full HD Media player projector:



Display Technology	Texas Instruments DLP® DLP-Link -3D(Built-in 2D to 3D converter)
Model	WP-DL1000 (Hi-Lum 3D-Mini Projector)
Light Source	R.G.B LED
Native Resolution	WXGA (1280x800)
Support Resolution	
• • • • • • • • • • • • • • • • • • • •	1080p
Brightness	1000 ANSI lumen
Contrast Ratio	2500:1
Display Colours	100% NTSC
Aspect Ratio	4:3 ; 16:9; 16:10 ratio
Keystone correction	Yes
Offset	100%
Focus Method	Manual
Throw Ratio	1.2:1(Distance from Screen: Display Width)
Front/Rear/Ceiling Projections	Yes
Projection Screen Size	200 "
LED life	30,000 hours Average (Minimum20,000 hours)
HDMI Input	HDMI x 2
AV Input	AV in
VGA	Yes
USB	USB2.0(upto 1TB USB Hard-disc)
Office Doc & Files support	.txt file(.ppt/.doc/.xls/.pdf with external Android Dongle connected)
Media Decode-Still Image	****
Decoding	JPEG, BMP, GIF, PNG
Media Decode-Audio Decoding	MP3, WMA, APE, FLAC, AAC, OGG, AC3, WAV
	Full-HD MPEG1:.DAT\.MPG\.MPEG; MPEG2:.MPG; MPEG4:.AVI\ .MP4;
Media Decode-Video Decoding	RM\RMVB:.RM\.RMVB; H264:.MKV\.MOV; MJPEG:.AVI; FLV:.FLV
Internet Player	External Optional(With Android HDMI dongle/box)
Memory Card Support	64 GB
PC Display Support	Yes(HDMI/VGA/Wireless Display using EZCast Dongle)
Built-in Memory	No
Built-in Speaker	2W x 2
Headphone/5.1 Surround out	3.5mm Audio Socket/SPDIF 5.1 Digital Coaxial
Built-in Battery	No
Dimension	145 x 135 x 35mm
Power Supply	DC 12V/3A
Power Consumption	~90W
. cc. somewinperon	Power adaptor; AV cable; Remote control; single DLP-Link 3D glass;
Accessories	User manual
Video Demo youtube.com link	http://www.youtube.com/watch?v=_jjIX5XA8nQ



Product Comparisons with existing branded models available in market:

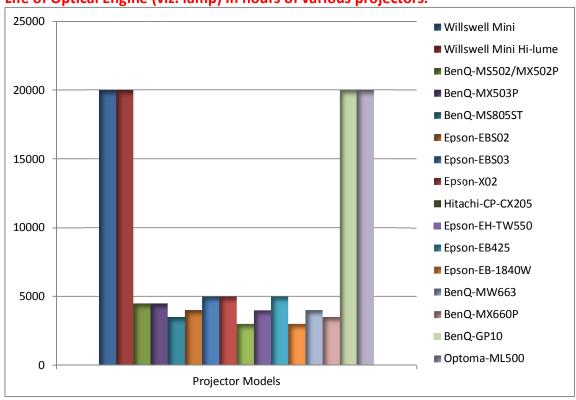
Main advantages of Willswell Mini **DLP LED projectors** (WXGA resolution models) are as follows:

- 1) Optical Engine with **LED Light sources**. Long lasting (more than **25000 hours**) and light weight.
- 2) **Very less weight and size** compared to LCD Halogen Projectors and most of the LED projectors available in market.
- 3) Very less power consumption (25W(mini model) to 90W (for Hi-lume model)) compared to 250W and above power consumptions by existing products in market.
- 4) **Very less fan noise (28DB) and heat generation** compared to other models in market.
- 5) **Dual HDMI 1.4 input** ports with 3D-Ready and **built-in 2D to 3D convertor**.
- 6) **Built-in Full HD Media player** which plays contents from USB memory sticks(upto 1 TB) and Micro-SD card(upto 64 GB)
- 7) **DLP LED Technology** which gives excellent colours and contrast compared to LCD Projectors.
- 8) SPDIF 5.1 Digital Co-axial Audio Output
- 9) Best pre and post-sales support from Willswell.

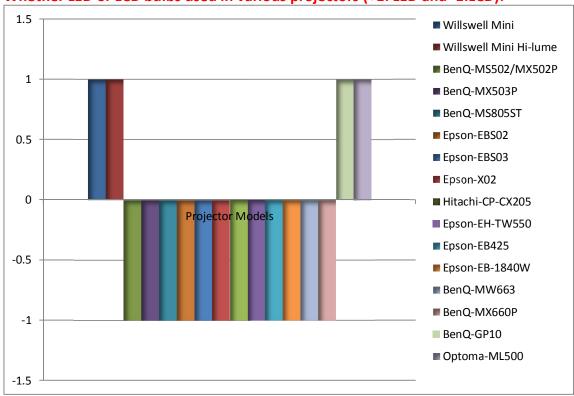


Following are brief comparisons of various products available supported by links provided in references.

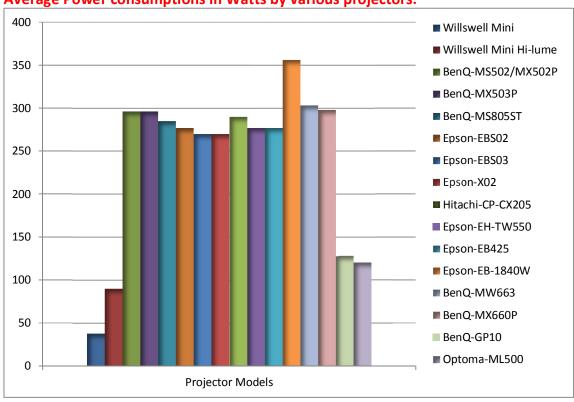
Life of Optical Engine (viz. lamp) in hours of various projectors:



Whether LED or LCD bulbs used in various projectors (+1: LED and -1:LCD):

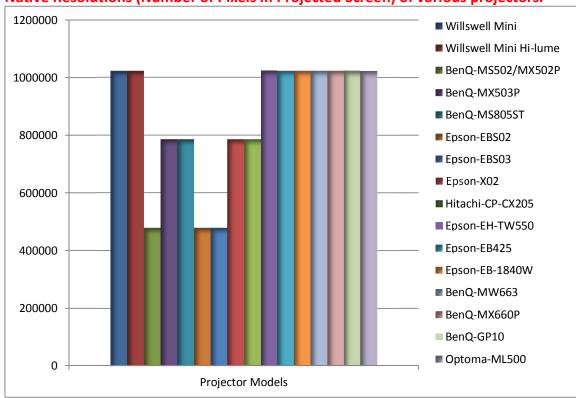


Average Power consumptions in Watts by various projectors:

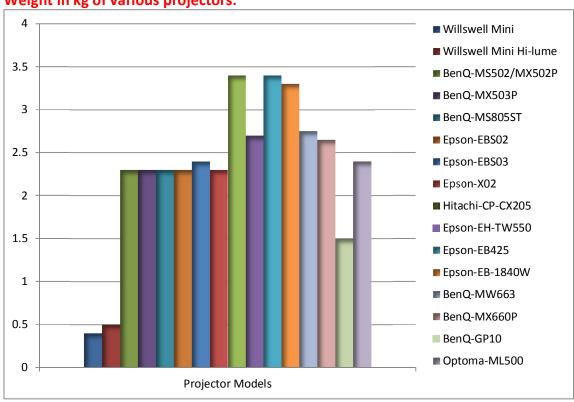




Native Resolutions (Number of Pixels in Projected Screen) of various projectors:

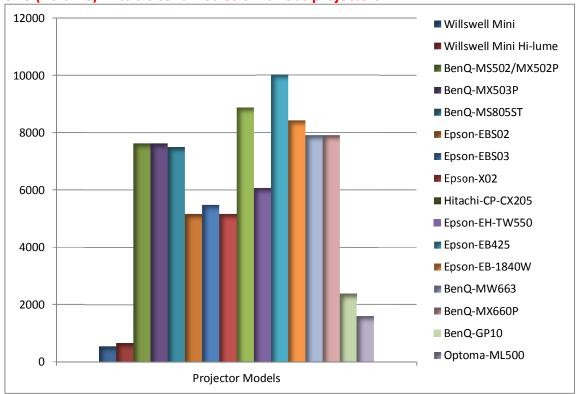


Weight in kg of various projectors:

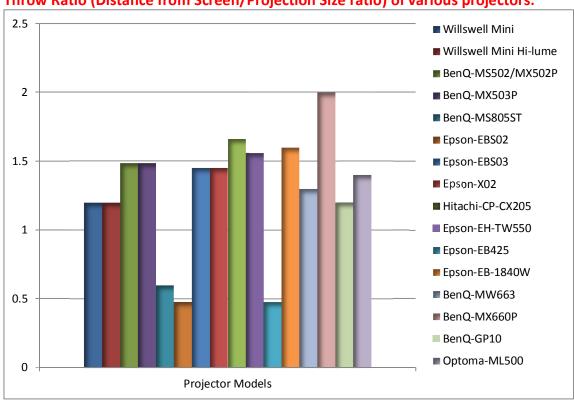




Size (Volume) in cubic centimetres of various projectors:



Throw Ratio (Distance from Screen/Projection Size ratio) of various projectors:





A very nice article explaining difference between LED and UHP LCD projectors:

http://www.aaxatech.com/articles/LEDversusUHP.htm

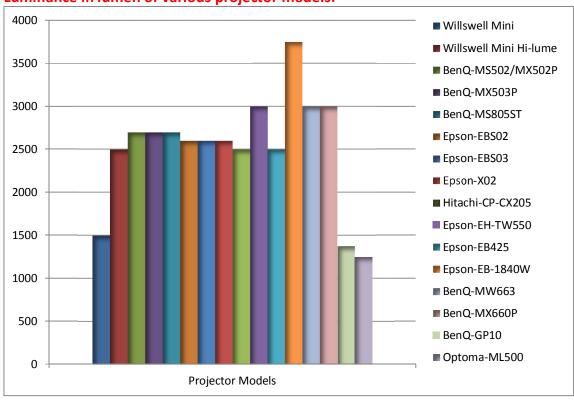
http://reviews.cnet.com/8301-33199 7-57582243-221/dlp-vs-lcd-vs-lcos-projector-tech-pros-and-cons/

The DLP LED Projector of 600 lumen is comparable to 1500 lumen of LCD projector because of the excellent contrast and Short Throw Ratios of LED projectors.

Hence when actually compare the luminance of LED and LCD projectors; we upscale the value of LED luminance by factor of 5/2.

So our LED projector with 600 lumen is comparable to LCD projector with 1500 lumen output and our LED projector with 1000 lumen is comparable to LCD projector with 2500 lumen out. Based on above observation following comparison chart is prepared. (Please note we have physically verified the effect with live comparisons with an EPSON LCD Projector model).







LCD Panel LED Source Full HD Media player projector:











Display Technology	Single LCD Panel LED Light Source
	WP-LL1500NX (LCD Panel LED Source Full HD in-built Media player
Model	projector)
Light Source	R.G.B LED
Native Resolution	WXGA (1280x800)
Support Resolution	1080p
Brightness	1200 ANSI lumen (3500 Peak Lumen)
Contrast Ratio	2000:1
Display Colours	100% NTSC
Aspect Ratio	4:3 ; 16:9; 16:10 ratio
Keystone correction	Yes
Offset	0%
Focus Method	Manual
Throw Ratio	1.7:1(Distance from Screen: Display Width)
Front/Rear/Ceiling Projections	Yes
Projection Screen Size	200 "
LED life	25,000 hours Average (Minimum20,000 hours)
HDMI Input	HDMI x 2
AV Input	AV in (Only CVBS Video in)
VGA	Yes
USB	USB2.0
Office Doc & Files support	.txt file(.ppt/.doc/.xls/.pdf with external Android Dongle connected)
Media Decode-Still Image	IDEC DAD CIE DAG
Decoding	JPEG, BMP, GIF, PNG
Media Decode-Audio Decoding	MP3, WMA, APE, FLAC, AAC, OGG, AC3, WAV
	Full-HD MPEG1:.DAT\.MPG\.MPEG; MPEG2:.MPG; MPEG4:.AVI\ .MP4;
Media Decode-Video Decoding	RM\RMVB:.RM\.RMVB; H264:.MKV\.MOV; MJPEG:.AVI; FLV:.FLV
Internet Player	External Optional(With Android HDMI dongle/box)
Memory Card Support	Not Supported
PC Display Support	Yes(HDMI/VGA/Wireless Display using EZCast Dongle)
Built-in Memory	No
Built-in Speaker	8W x 1
Stereo Audio out/Headphone	3.5mm Stereo Audio Socket
Built-in Battery	No
Dimension	2400 x 3300 x 100 mm
Power Supply	AC 240V-50Hz
Power Consumption	~120W
Accessories	AC Power cable; VGA cable; Remote control; User manual
Video Demo youtube.com link	http://www.youtube.com/watch?v=Ze2JDByz5rs



Portable Frame-less Interactive whiteboard kit P1000/P2000:

Description: P1000 (Long Focus (Long Throw)) and P2000 (Short Focus (Short Throw)) are a fully featured interactive whiteboard system that transforms any standard whiteboard, flat surface (such as wall) or projection screen into an interactive whiteboard. No battery required for USB signal receiver and the unit can be mounted to the ceiling if a permanent solution is required. Working with the extendable pointer E-Pen (Electronic pen) or E-pointer, you and your students can explore internet websites, build interactive flip charts and create more opportunities for discussions and interaction in the classroom or meeting rooms.

Outstanding features:

- 1. Make any normal projector to be interactive
- 2. Small figure, extremely easy to carry
- 3. Easy to install and use
- 4. Hand writing smoothly with high precision
- 5. Multi-writing(Max 64 persons)
- 6. Suits variable display size from 60 inched to 120 inches

















Description	Portable Interactive Whiteboard Kit		
Model	P1000(Long Throw)/P2000(Short Throw)		
	Signal Receiver		
Movement Detection Technology	Infrared		
Active Area(Max Projection Size)	150 Inch Diagonal(For Long Throw)/90 Inch Diagonal(For Short Throw)		
Active Area(Horizontal Angle)	33+/- 2 degrees		
Active Area(Vertical Angle)	0 – 30 degrees		
Calibration Technology	Infrared Positioning		
Active Distance (from Projection screen)	1.5 to 5 meter(For Long Throw)/0.2 to 3 meter(For Short Throw)		
Connectivity Interface	1 X USB cable(Connection Distance upto 24 meter)		
Power Requirement	From USB Port		
Power Consumption	<1.5W		
Weight	140 gm		
	E-Pen		
Movement Detection Technology	LED Light		
Power Requirement	2 X AAA Batteries		
Pen Body Dimension	13.2 cm(Length); 2cm Diameter		
Weight	45 gm		
	E-Pointer		
Movement Detection Technology	LED Light		
Control Buttons	1 Button(Left and Right Button of a mouse), Touchable		
Power Requirement	2 X AAA Batteries		
Length	56 cm		
Weight	90 gm		
Projection Size	Distance between Receiver and Projection Surface		
56 inch	1.6 m		
68 inch	2.1 m		
70 inch	2.3 m (36 cm for short throw model)		
75 inch	2.5 m		
80 inch	2.65 m (40 cm for short throw model)		
85 inch	2.8 m (45 cm for short throw model)		
92 inch	3.2 m (50 cm for short throw model)		
Video Demo youtube.com link	http://www.youtube.com/watch?v=cfU-s09YRQk		



Android HDMI Dongles:



Description	Android HDMI Dongle-Dual Core
Chipset	Rockchip 3028A ,Dual-core Cortex A9
Model	U28-2R
RAM	512 MB
Internal Memory	4GB
Support Resolution	1080p
HDMI	HDMI1.4 1080P
USB	USB2.0
Mouse Support	2.4GHz Wireless Mouse/Air Mouse
Connectivity	Wi-Fi/USB/MicroSD/OTG X 1/ Android-Market
Power Supply	5V USB Adpaper



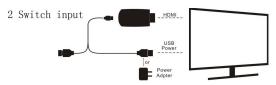
Description	Android HDMI Dongle-Quad Core
Chipset	Rockchip 3188,Quad-core Cortex A9
Model	U33-4R
RAM	2 GB
Internal Memory	8 GB
Support Resolution	1080p
HDMI	HDMI1.4 1080P
USB	USB2.0
Mouse Support	2.4GHz Wireless Mouse/Air Mouse
	Wi-Fi/Bluetooth/USB/MicroSD/OTG X 1/Support WiFi Display
Connectivity	DLNA/Miracast/Airplay/Android-Market
Power Supply	5V USB Adpaper



Wireless Display EZCast HDMI Dongles:



switch TV input/source to the HDMI



3 Download APP to set it up





Description	EZ-Cast Wireless Display HDMI Dongle
Chipset	Amlogic AM8251
Model	EZ-11
RAM	128MB
Internal OS	Limux
Support Resolution	1080p
HDMI	HDMI1.4 1080P
Mouse Support	Not Needed
Connectivity	Support Wirless Display/ DLNA/Miracast/Easyplay
Power Supply	5V USB Adpaper



Contact us:

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http://www.ebay.co.uk/itm/EPSON-EB-X02-2600-Lumens-XGA-Projector-/360798361174

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